

Application No.: 10/779,985
Response to Office Action dated February 26, 2008
Attorney Docket: EQUUS-106A

AMENDMENTS TO THE CLAIMS

Claims 1-23 cancelled.

24. (Previously Amended) A method for configuring a diagnostic device to access information from an on-board diagnostic system of a vehicle under test, the method comprising:

a. connecting an automotive diagnostic standard specific connector to a handheld diagnostic device, the standard specific connector having a plurality of pins, with a jumper connected between two of the pins;

b. identifying physical features of the connector, the physical features directly identifying the automotive diagnostic standard associated with the vehicle under test, the physical features being unrelated to vehicle information other than identification of the automotive diagnostic standard based upon identification of the two pins connected by the jumper;

c. identifying communication protocols associated with the identified automotive diagnostic standard;

d. serially communicating between the diagnostic device and the vehicle diagnostic system using only the associated communication protocols until one of the associated protocols is successful in establishing a communication link between the device and the vehicle on-board system.

e. retrieving configuration data associated with the successful communications protocol; and

f. configuring the diagnostic device in accordance with the retrieved configuration data, independent of resources external to the hand held device.

25. (Previously Presented) The method as recited in Claim 24 wherein the step of identifying physical features of the connector includes identifying the connector connectivity configuration.

26. (Previously Presented) The method as recited in Claim 24 wherein the step of identifying physical features of the connector includes identifying the connector pin configuration.

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27. (Previously Presented) The method as recited in Claim 24 wherein the step of identifying physical features of the connector comprises performing a continuity test to identify whether continuity exists between specific pins of the connector.

28. (Previously Presented) The method as recited in Claim 24 wherein the step of identifying physical features of the connector comprises determining if the connector is a standardized OBD-II connector.

29. (Previously Amended) The method as recited in Claim 24 wherein steps a-c are performed with the device disconnected from the vehicle diagnostic port.

30. (Cancelled)

31. (Previously Amended) The method as recited in Claim 24 wherein the communication protocols include ISO9141, J1850 VPW, J1850 PWM, Keyword 2000, and CAN.

32. (Previously Amended) A handheld diagnostic device for accessing information from a diagnostic port of a vehicle under test, the diagnostic port being in communication with a vehicle on board diagnostic system, the device comprising:

a. a central processing unit;

b. a memory; and

c. an automotive diagnostic standard specific connector for connecting the device to the diagnostic port, the connector having a plurality of pins, the connector having a jumper connected between two of the pins, the two pins being recognizable by the central processing unit, as directly corresponding to a specific automotive diagnostic standard, and unrelated to vehicle information other than identification of the specific automotive diagnostic standard;

d. the memory including at least one look-up table identifying communication protocols associated with the specific diagnostic standard;

e. a sequencer for sequentially implementing each of the plurality of the protocols until successful communication is established with the vehicle on-board diagnostic system;

f. the memory including at least one look-up table identifying diagnostic configuration data corresponding to at least one associated communication protocol; and

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g. the central processing unit being operative to configure the diagnostic device in accordance to the configuration data, independent of resources external to the hand held device.

33. (Previously Presented) The device as recited in Claim 32 wherein connector is a standardized OBD-II connector.

34. (Previously Amended) The device as recited in Claim 32 wherein the memory includes diagnostic configuration data corresponding to each of the plurality of communication protocols.

35. (Cancelled)

36. (Previously Amended) The device as recited in Claim 34 wherein the communication protocols comprise ISO9141, J1850 VPW, J1850 PWM, Keyword 2000, and CAN protocols.